Sharp EL-8

Author	Message

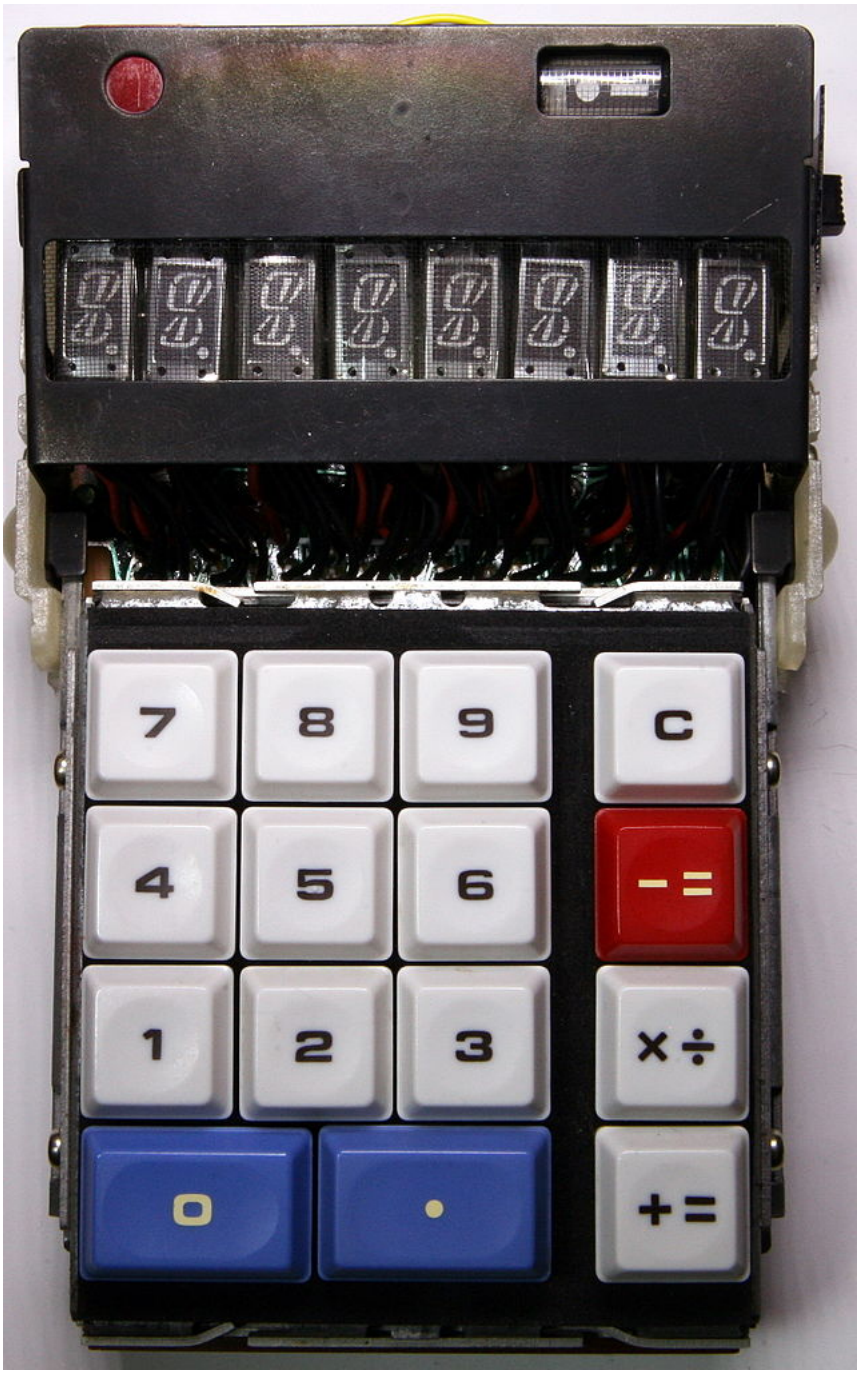
mister_rf

Joined: 18 Jul 2015
Posts: 1094
Location: Bucharest, Romania

Posted: Sat Dec 19, 2015 5:30 am Post subject: Sharp EL-8

Sharp Calculators Electronics Corporation introduced end of the year 1970 the first portable, battery four-functions operated calculator.
the Sharp EL-8, also known as the ELSI-8:

The calculating board with 4 Rockwell LSI integrated circuits, and a timer integrated circuit. Display is 8 digits green "Itron" fluorescent tubes.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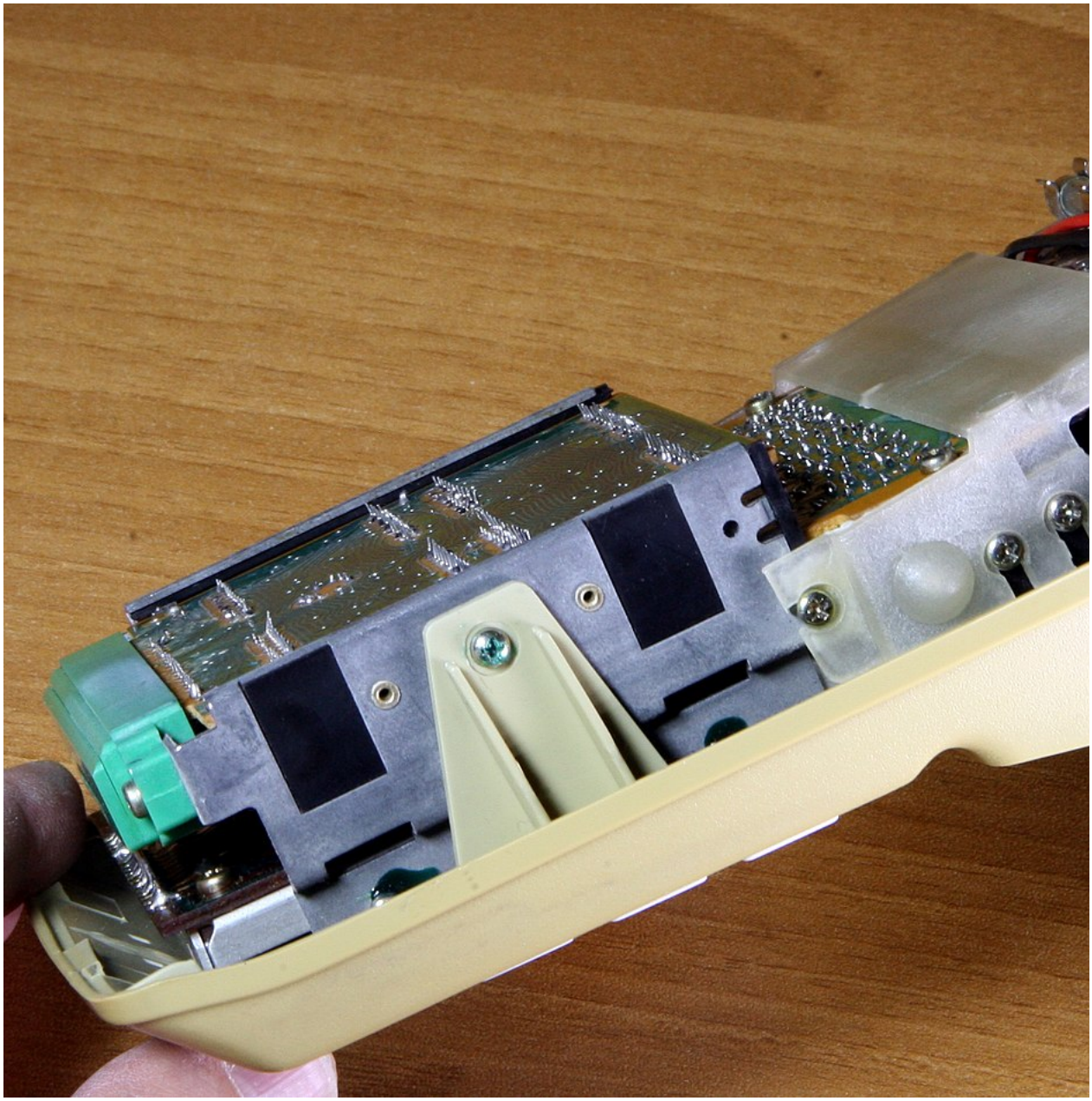
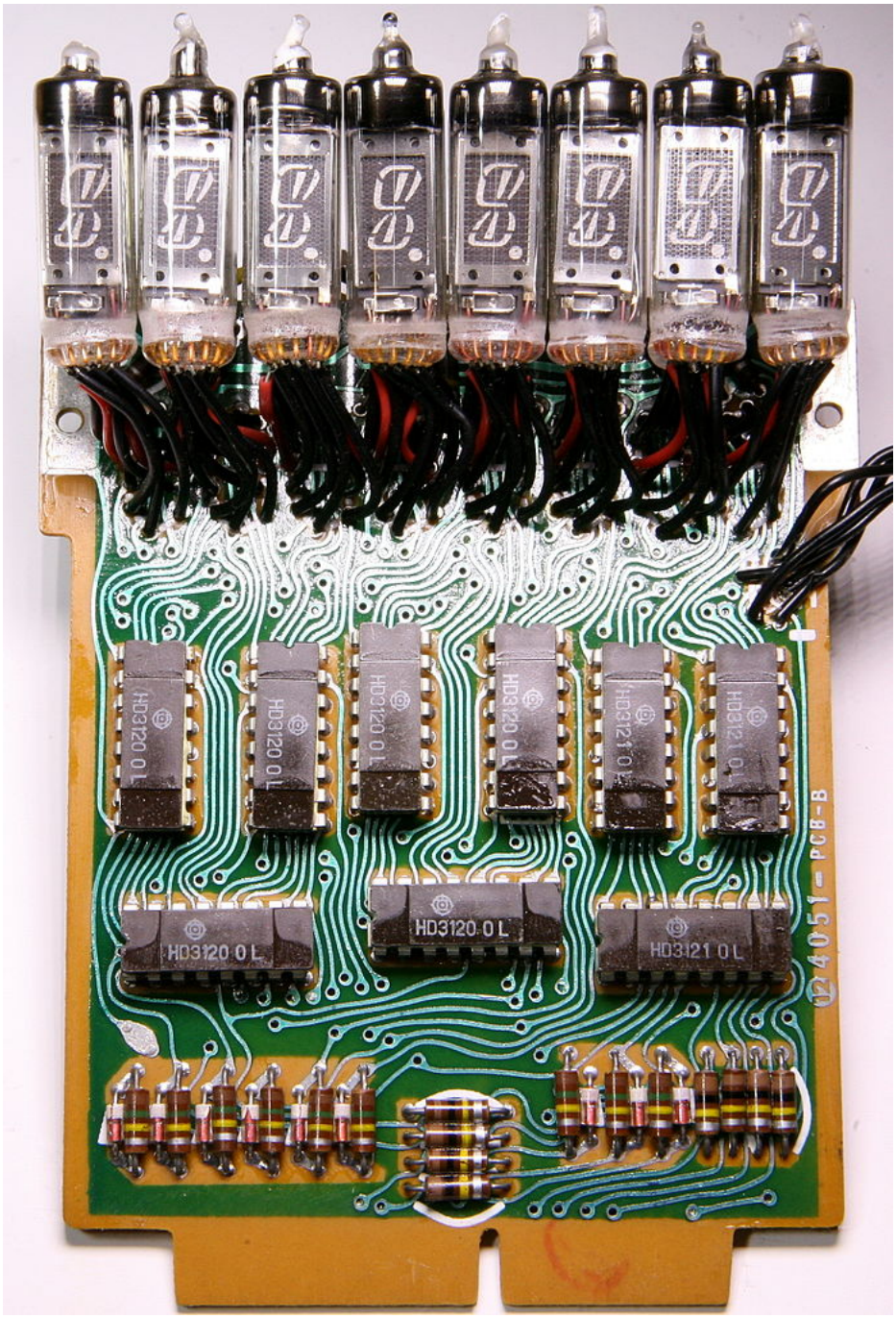
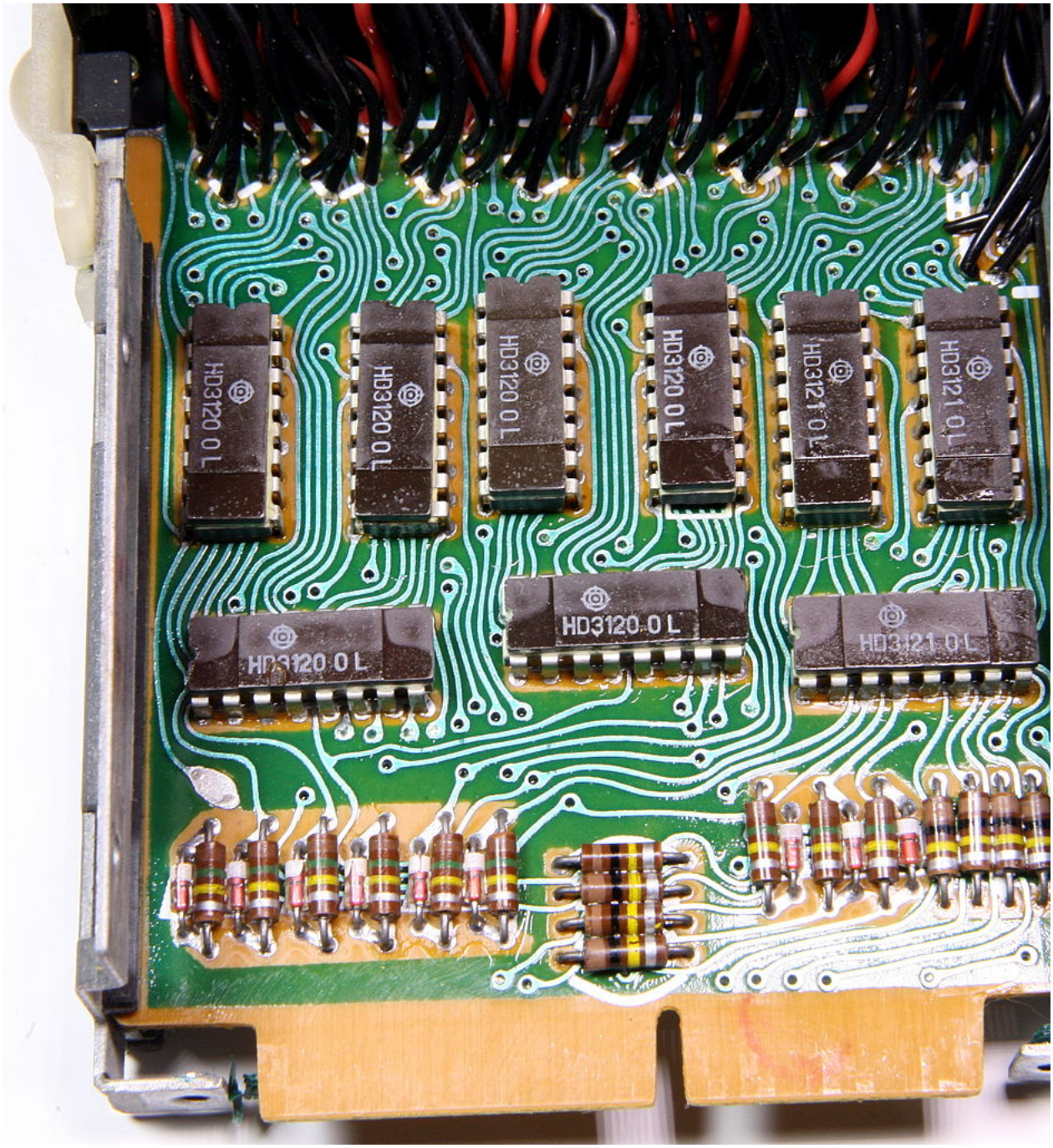




Original file:
https://upload.wikimedia.org/wikipedia/commons/c/ce/Sharp_EL-8_Display_and_Main_PCB_Assy.jpg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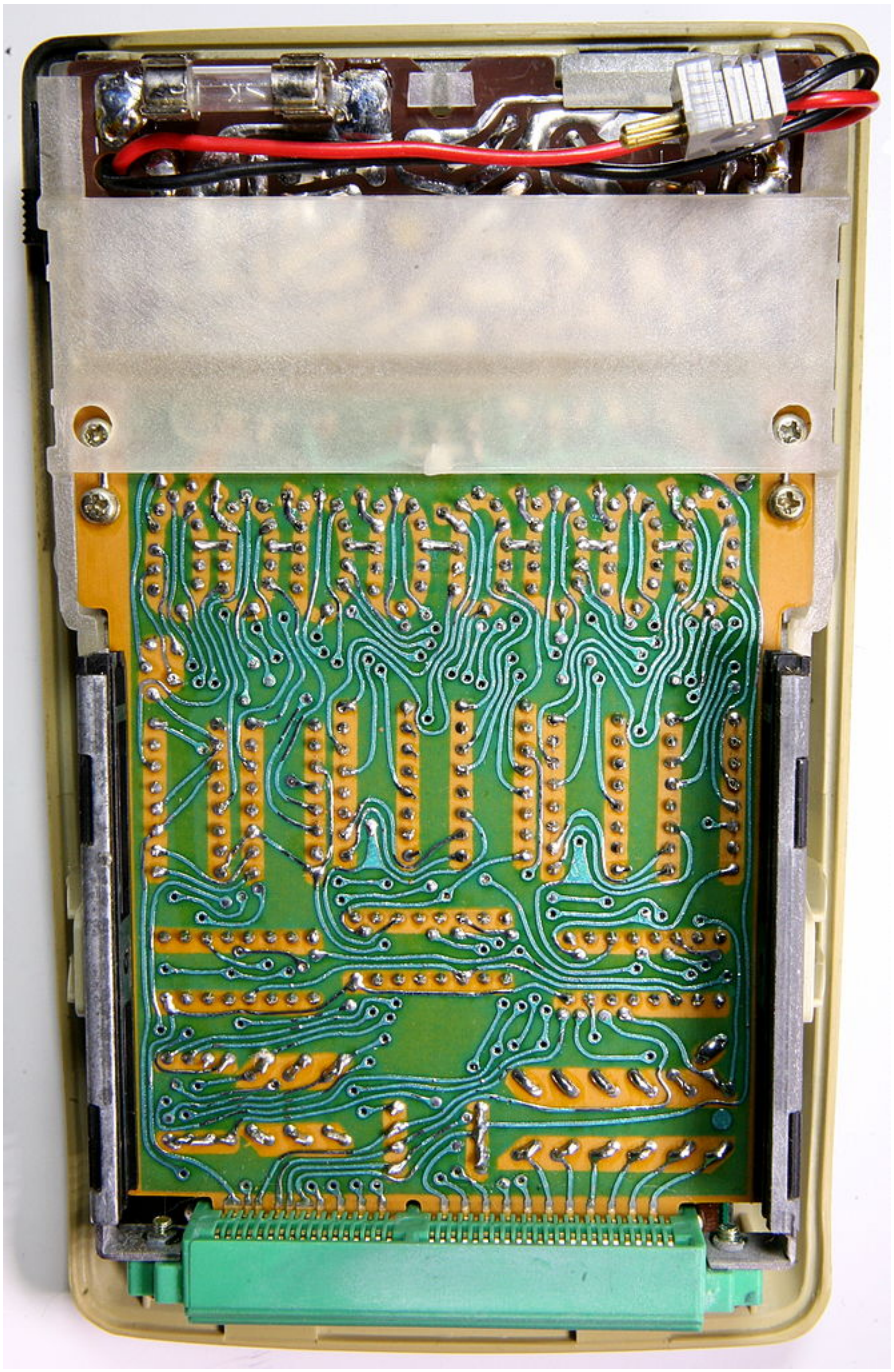
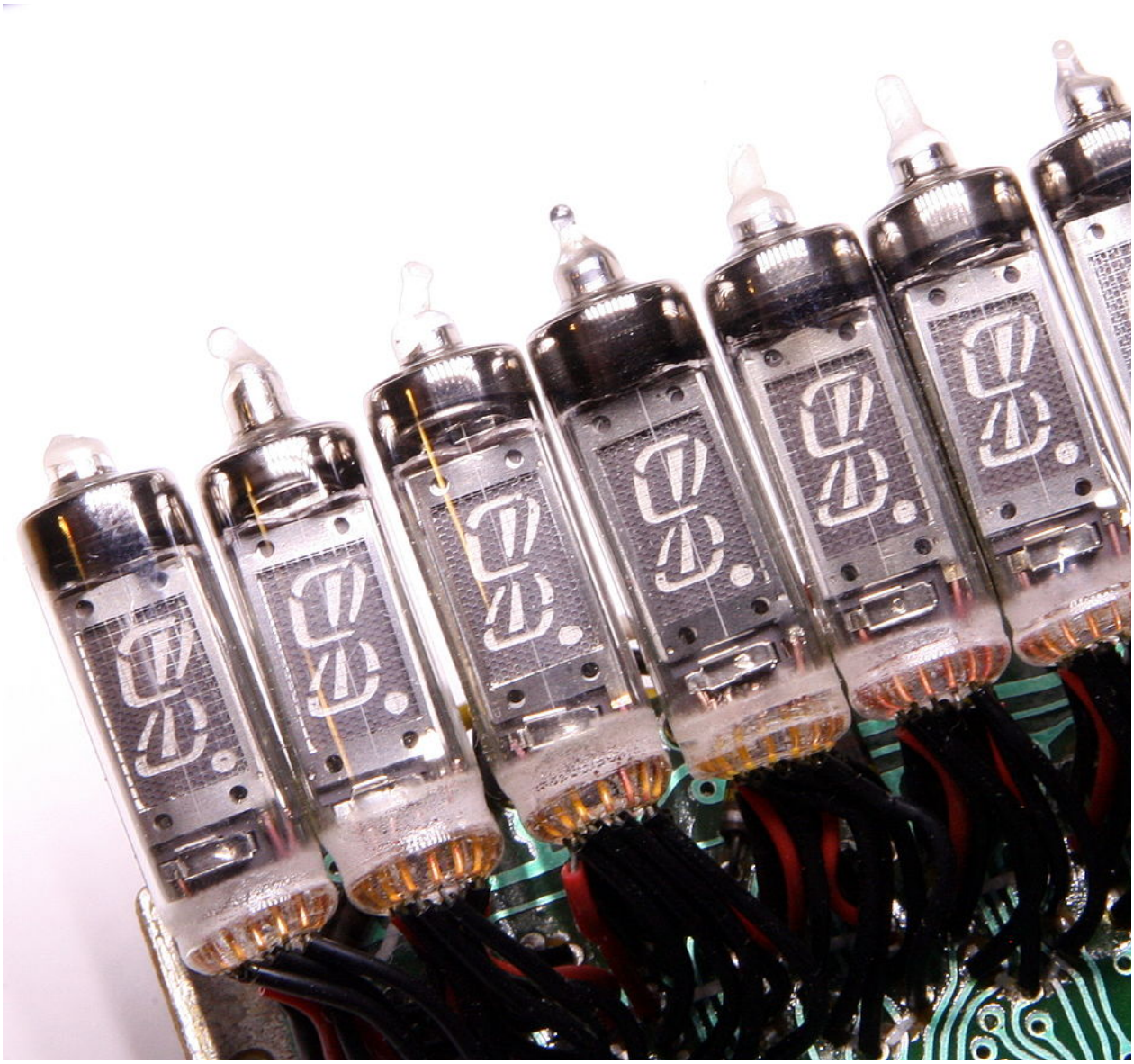
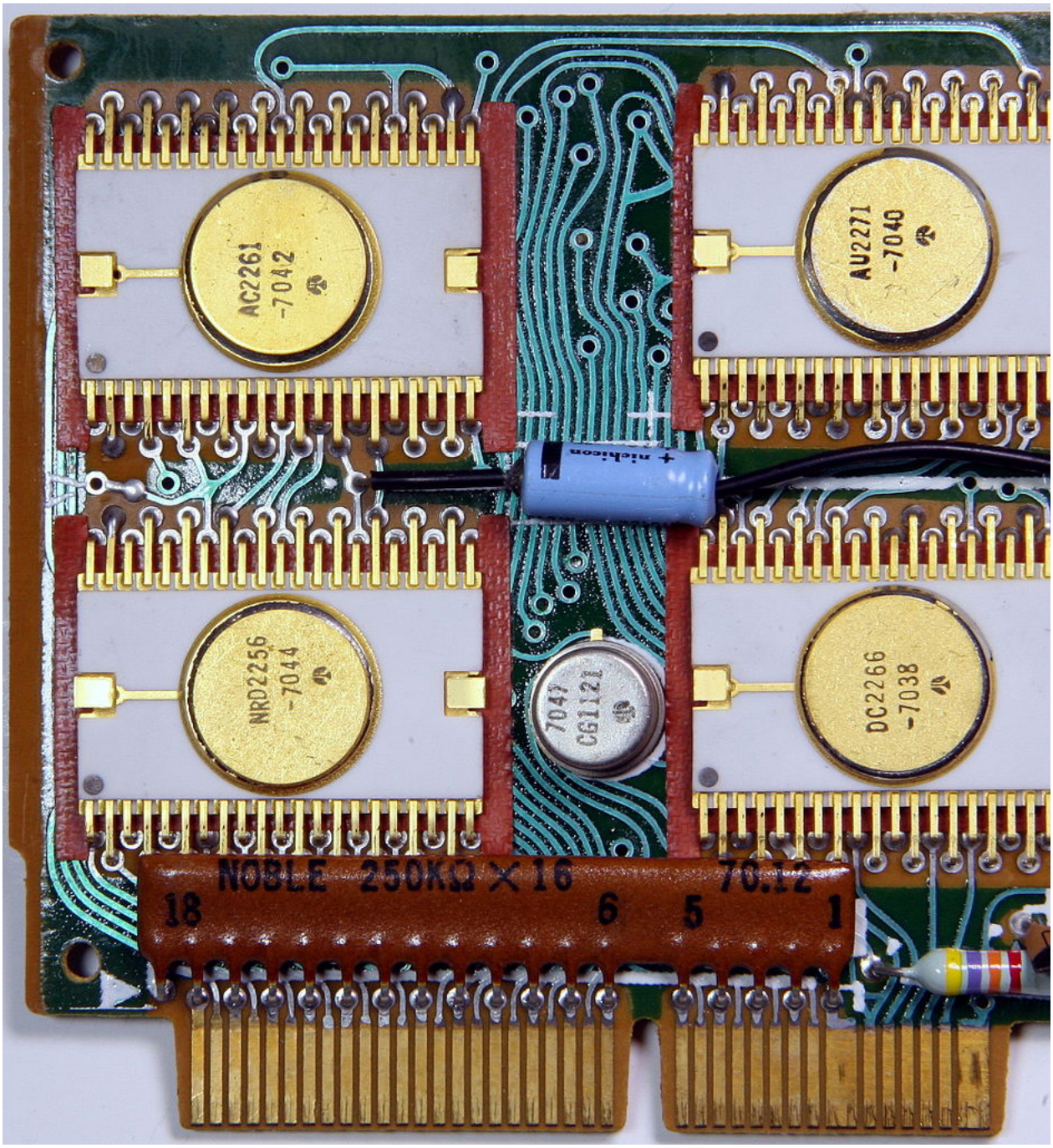


Original file: https://upload.wikimedia.org/wikipedia/commons/3/32/Sharp_EL-8_Main_PCB_Assy_solder_side.jpg

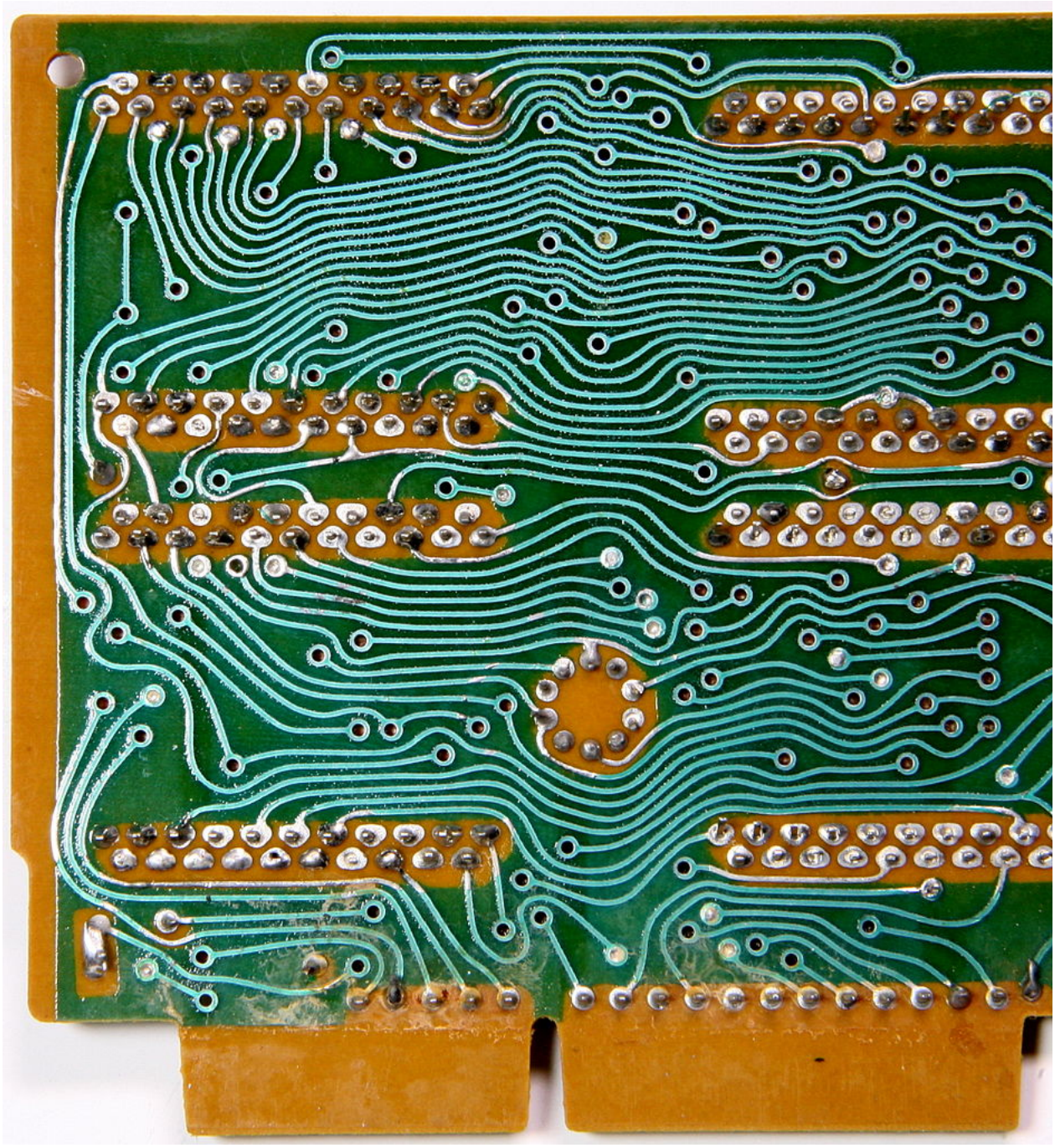
Display tubes



The four large-scale integrated circuits (LSI) are for the calculating functions, and the integrated circuit in the small can is the clock generator. Rockwell NRD2256, AC2261, DC226



Original file:
https://upload.wikimedia.org/wikipedia/commons/3/32/Sharp_EL-8_The_Calculating_Board_with_4_Rockwell_LSI_Integrated_Circuits.jpg



Last edited by mister_rf on Sat Dec 19, 2015 6:35 am; edited 1 time in total

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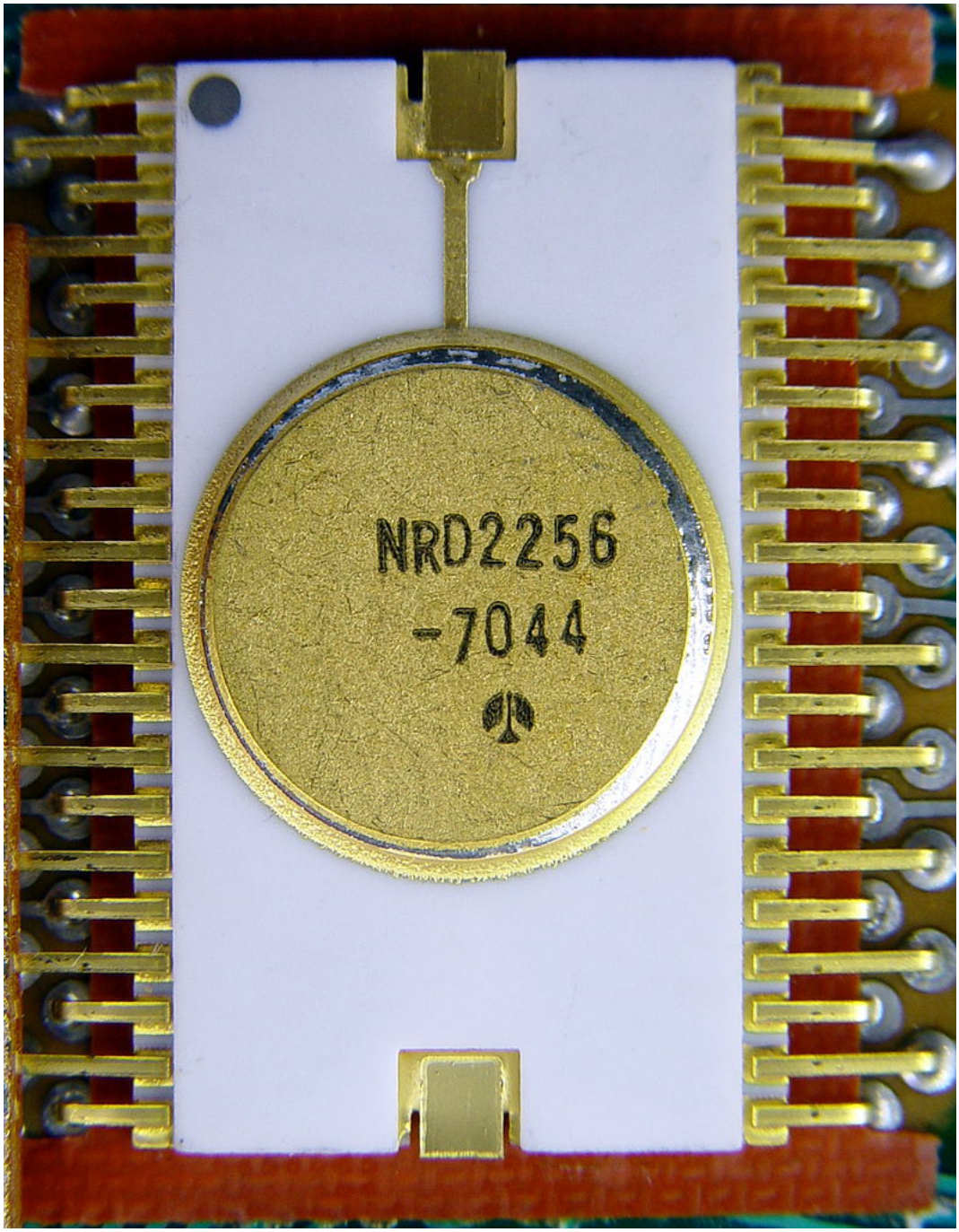
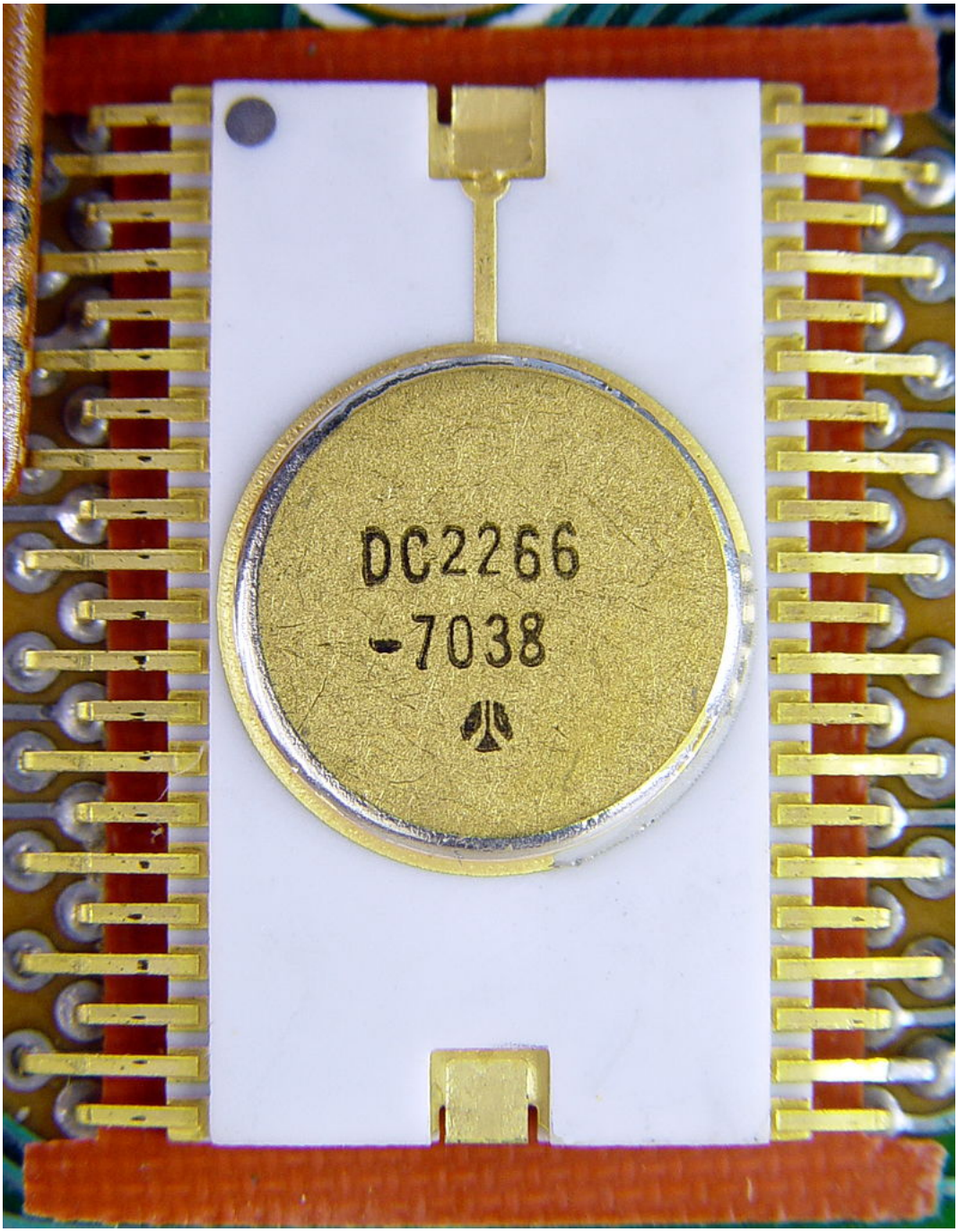
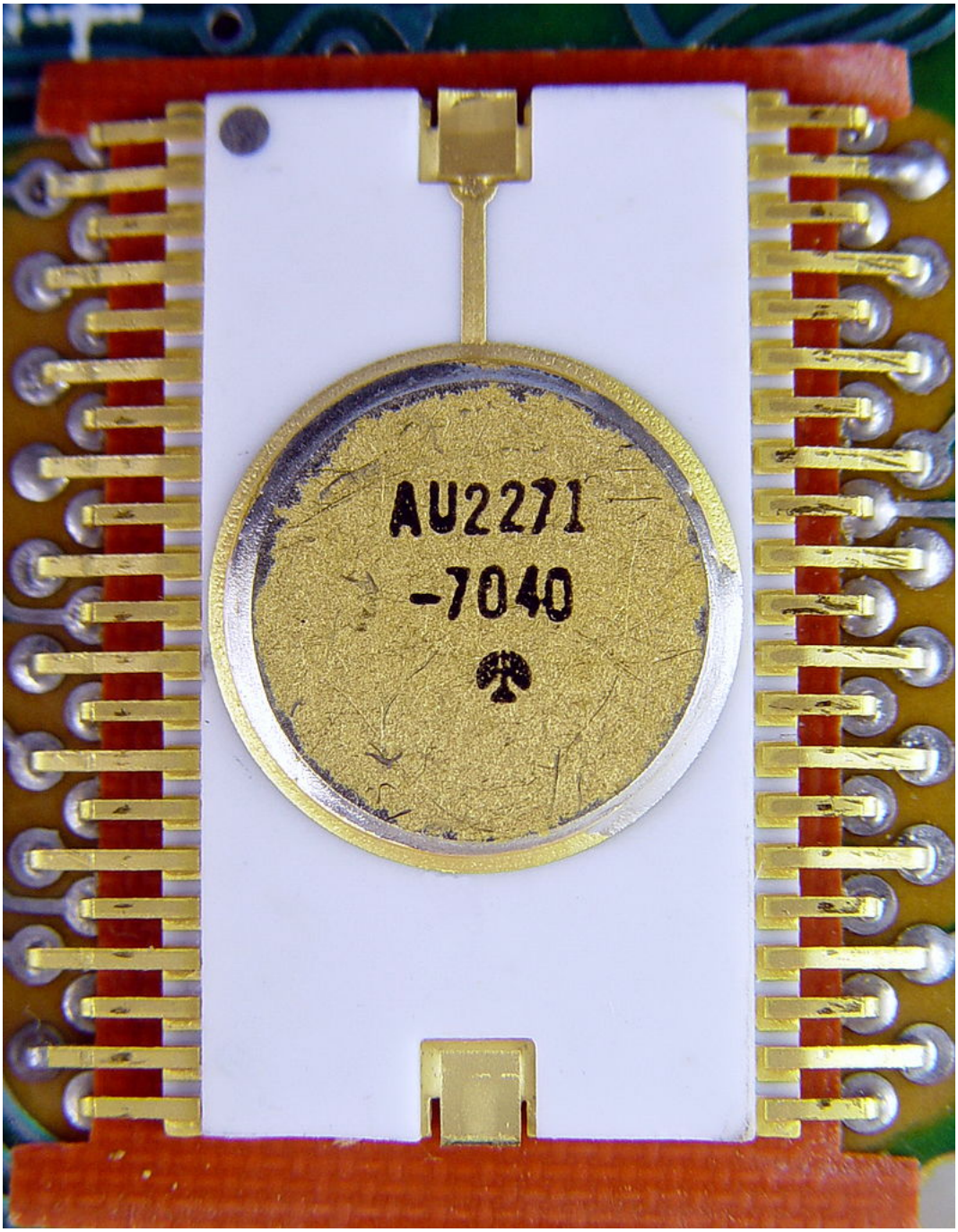
mister_rf

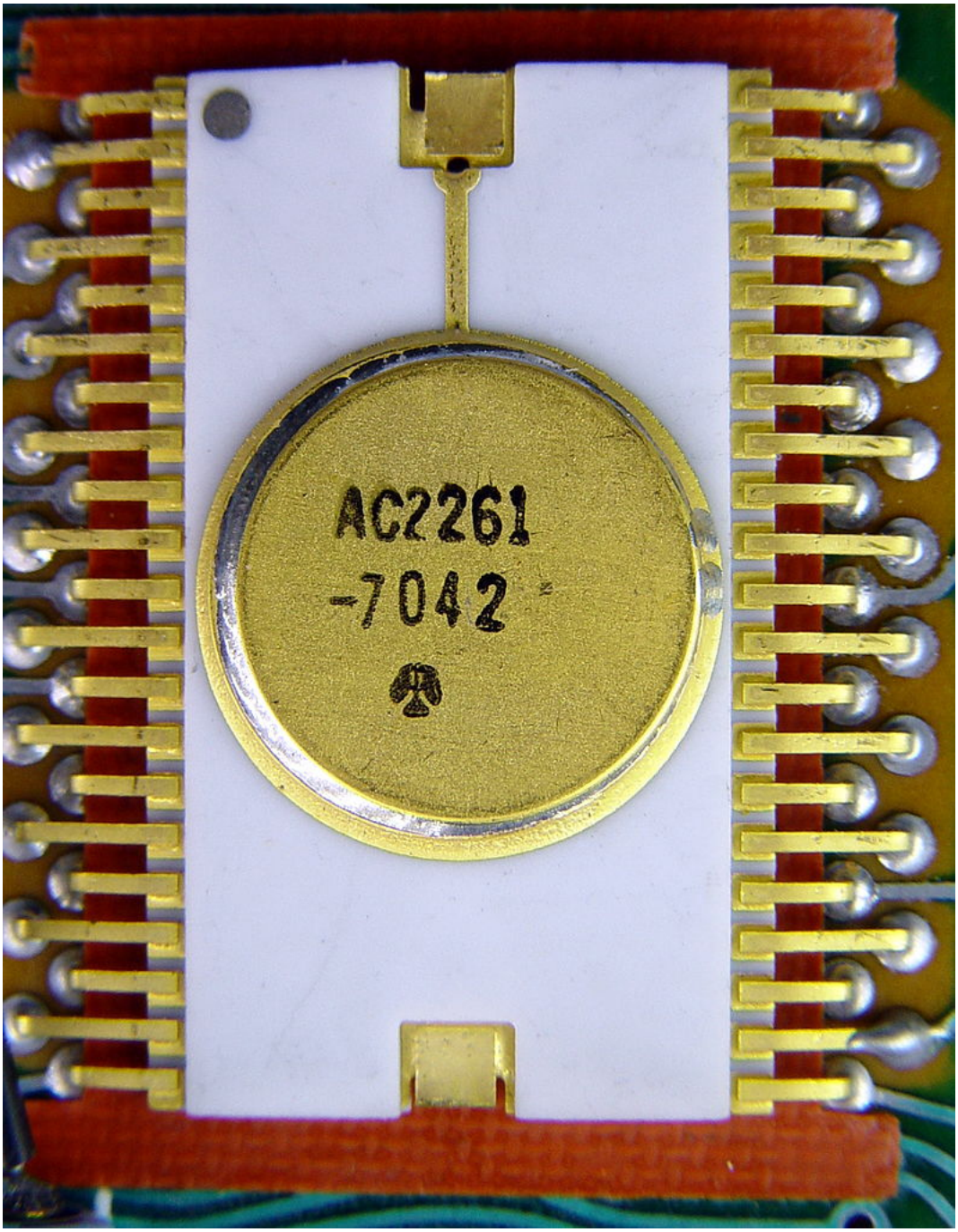
Posted: Sat Dec 19, 2015 5:31 am Post subject: Sharp EL-8

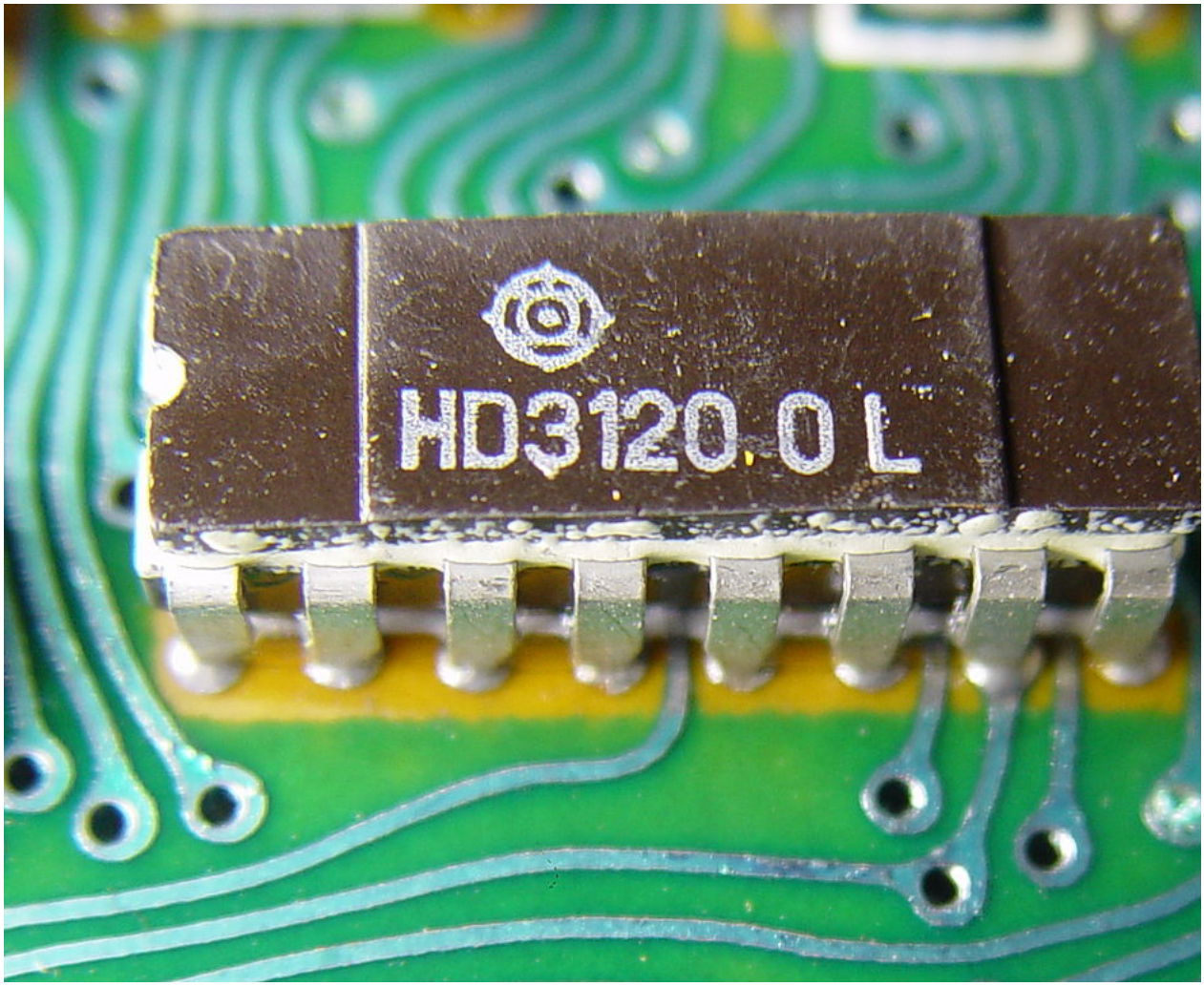
Joined: 18 Jul 2015
Posts: 1094
Location: Bucharest, Romania


NRD2256
-7044


DC2266
-7038


AU2271
-7040


AC2261
-7042



The keyboard use of only 15 keys. Multiplication and division are combined in one key, but the operation actually used is determined by whether the += key is pressed at the end o division.

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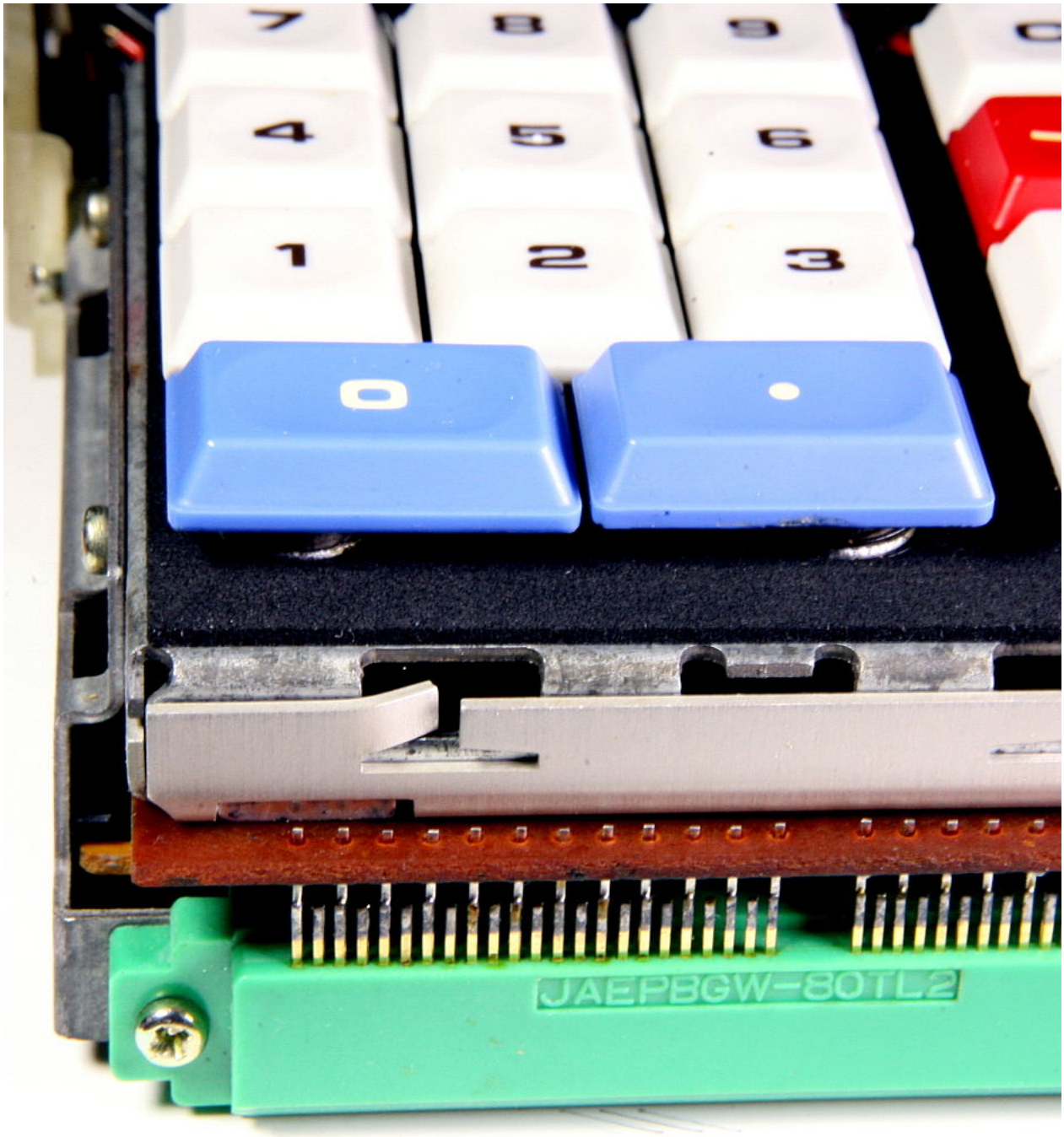
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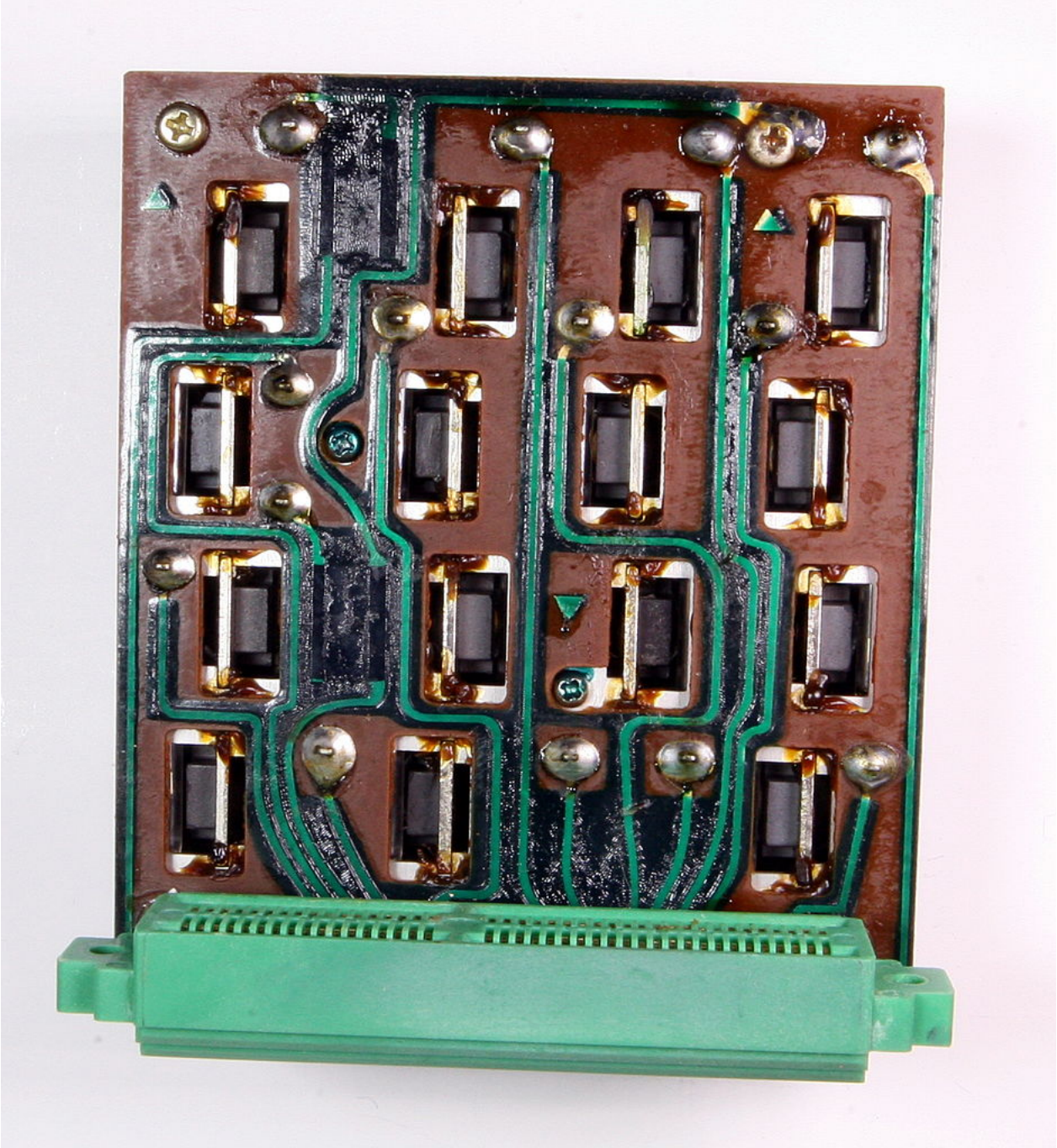
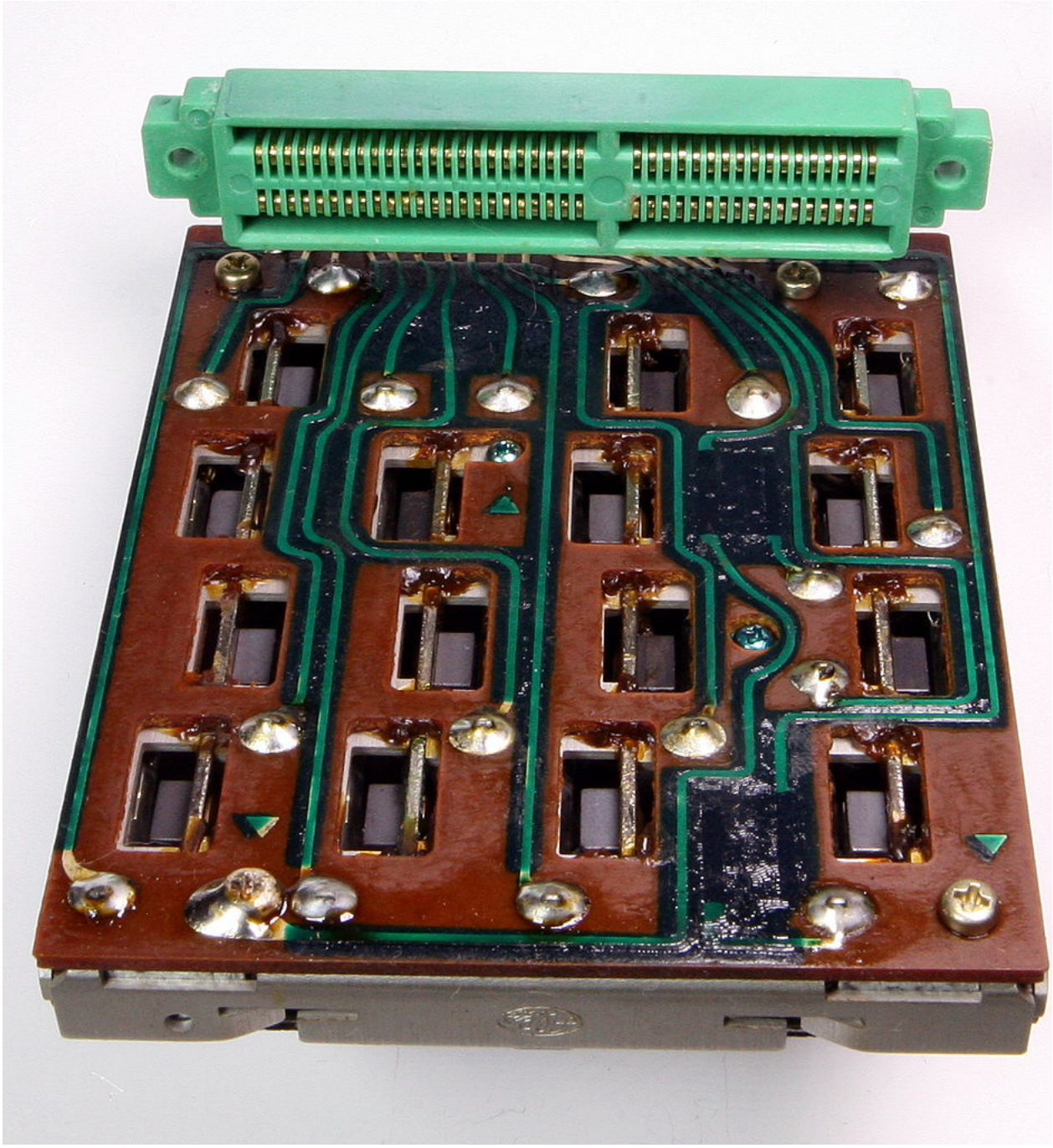
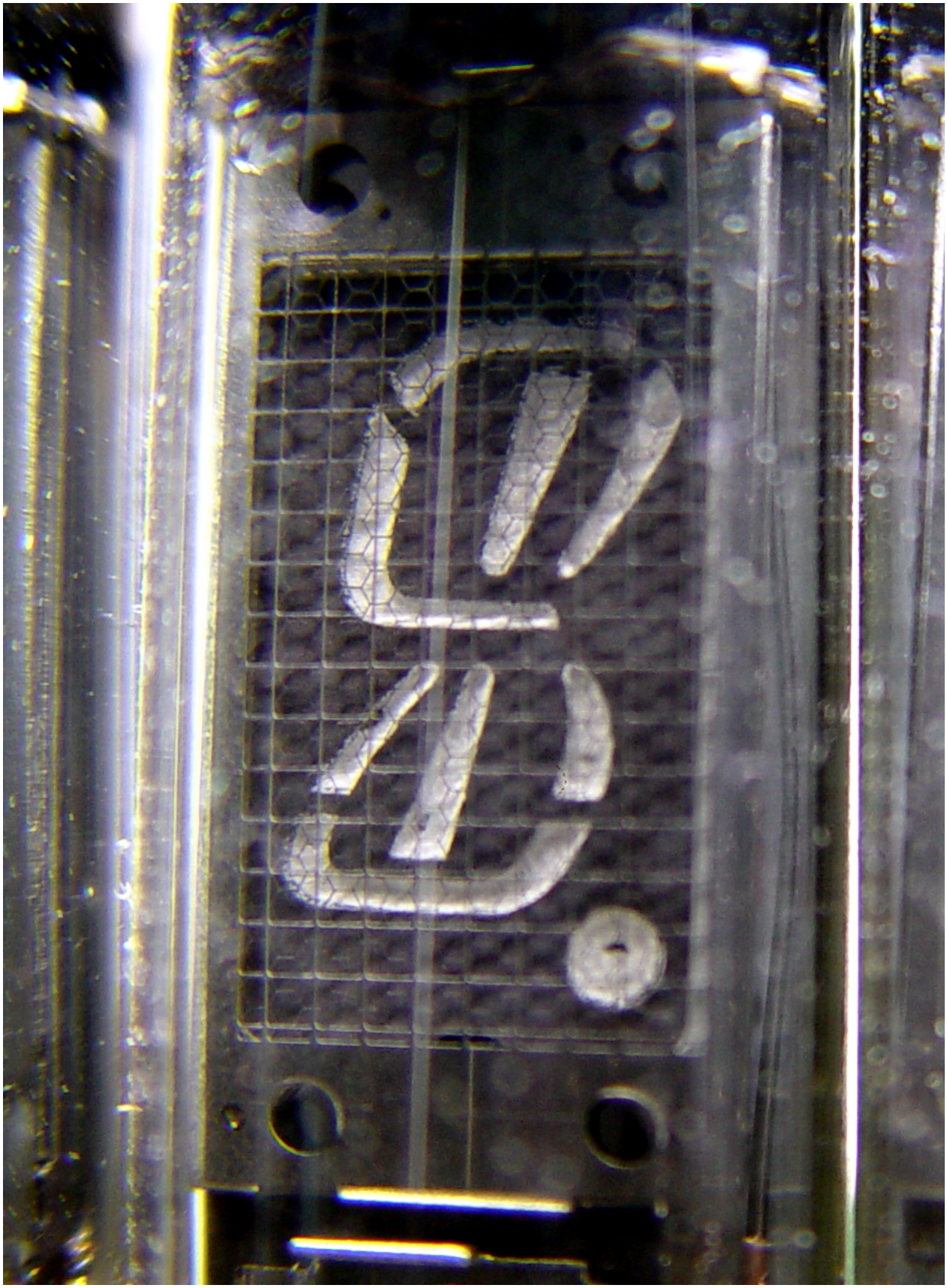
JAEPBGW-80TL2

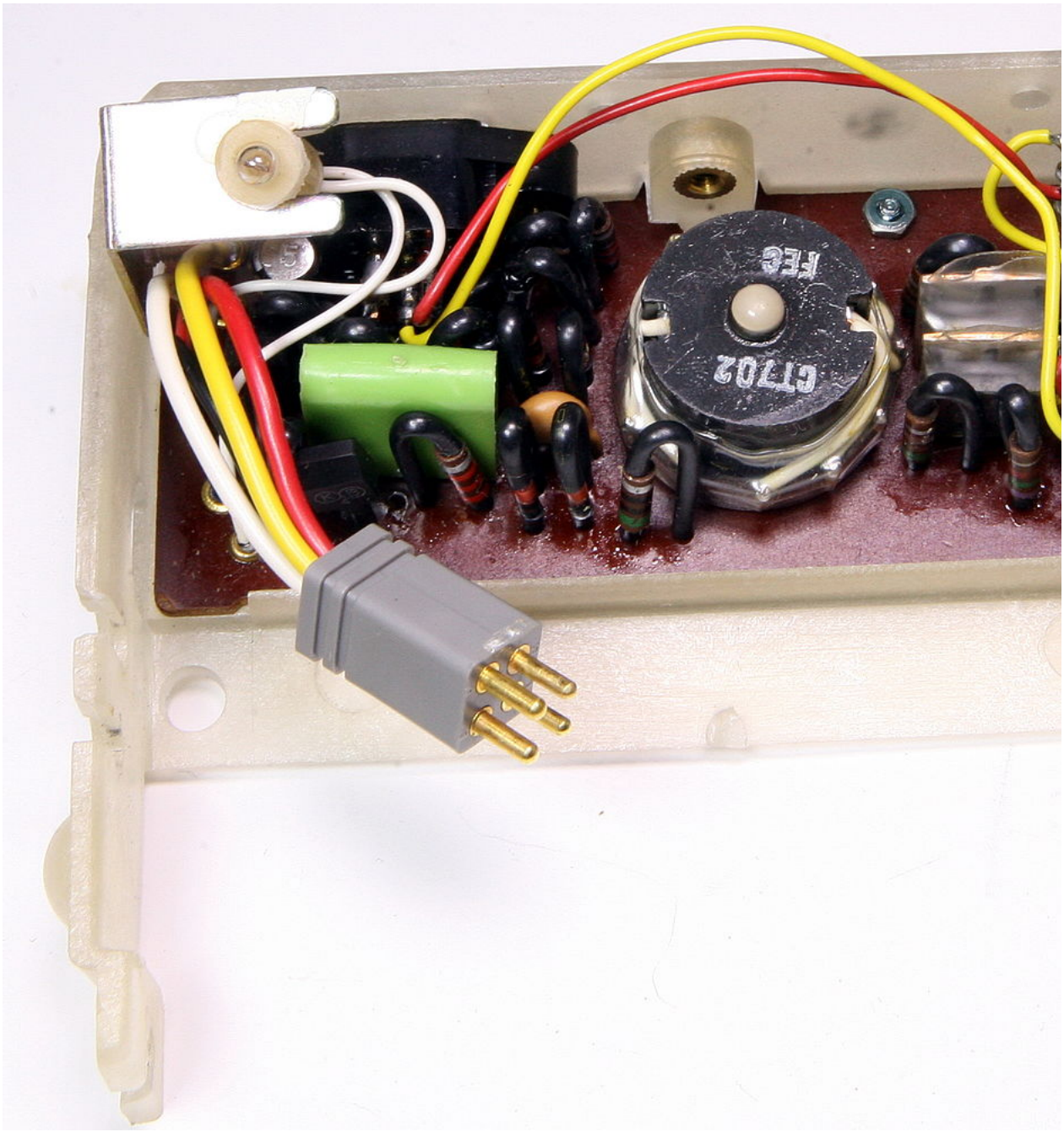




Note the strange shape of the numerals and the half-height zero.



SHARP
NICKEL-CADMIUM BATTERY
NR-AA 1.2V 450mAh
SHARP CORPORATION OSAKA, JAPAN
密閉形●充電式●ニッケル カドミウム蓄電池
SHARP


FEE
CT702

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profile pm

fritsp2007

Posted: Sat Dec 19, 2015 6:33 am Post subject:

Thats a nice one...

Joined: 23 May 2010
Posts: 856
Location: The Netherlands

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profile pm

Vlasta

Posted: Sat Dec 19, 2015 7:47 am Post subject:

man - those tubes are cute!

_____

best rgds.

Steve

Joined: 15 May 2012
Posts: 2529

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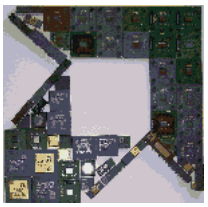
Neon

Posted: Sat Dec 19, 2015 11:30 am Post subject:



> **Quote:**
> Multiplication and division are combined in one key, but the operation actually used is determined by whether the += key is pressed at the end of the calculation to give multiplicatio

If I did not have the manual, then I would need time to deduce this method.

Joined: 04 Feb 2008
Posts: 1451
Location: Dallas, Texas, USA

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rjluna2

Posted: Sun Dec 20, 2015 4:19 pm Post subject:

Nice find, mister_rf

Joined: 27 Oct 2014
Posts: 956
Location: Hiram, GA, USA

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Kev Vader

Posted: Sun Dec 20, 2015 10:15 pm Post subject:

That looks awfully familiar....!

_____
Intel CPU's: 1400
Non-Intel CPU's: 222
Other: 200
RAM: Lots!

Joined: 29 Dec 2011
Posts: 261
Location: Brisbane, Australia

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Vlasta

Posted: Mon Dec 21, 2015 12:31 am Post subject:

Wow!!

_____
best rgds.

Steve

Joined: 15 May 2012
Posts: 2529

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